

EECE 3093C – Software Engineering

Beta Testing Results

Application Name: Herald!

Developers: Jake Holbrook and Connor Pike

Functional Quality:

1. The UI is neat and easy-to-use. However, it can be made more visually appealing
2. The contacts field takes in only numbers. Consider adding a search option by typing in contact's name. It's intuitive for many users to directly search for one's name.

Structural Quality:

1. The code structure is in a reasonable shape, in terms of modularity.
2. There is lot of scope for creating new classes instead of embedding everything in the MainActivity (This is a sign of WEAK cohesion which is not a good OOP practice).
3. Variables and methods should be at the minimum scope possible. All methods are public (results in a working piece of code but heavily violates data encapsulation).
4. Good comments and definition of variables (for the most part).
5. A more rigorous test plan is needed. Existing test cases are either not working or not sufficient for covering all scenarios.
6. It is possible that the developers have not entirely followed "test-first" design methodology. UI methods are poorly abstracted.
7. The documentation has no evidence of mock UI designs. It should be possible to envision the app functionality just by browsing documentation. There are no UI design mock-ups in the req/specs document.

Competitive Benchmarking and Social Impact:

1. To the reviewers' knowledge, there are not many applications that are comparable to the Herald! The app. has the potential to hold a strong market value.
2. The app may also be well-received by users across all ages (specifically, 20-45) and both genders.